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2,09

1938 Price List

HOWARD E. GATES

Famous Cactus Gardens

119 S. Illinois St.

Anaheim, California

Cactus Exclusively Since 1930

Visitors Welcome

Closed Sundays

TERMS

Again it is a pleasure to present our Price List, offering a great variety of fascinating cactus plants. Fanciers will find a number of rare plants resulting from our own exploration trips that are not obtainable any other place. Plant names are listed in accordance with the recommendations of the Nomenclature Committee of the Cactus and Succulent Society of America.

We are glad to say that practically all offerings are nursery grown in the favorable California coastal climate without forcing. This means strong, sturdy plants with roots that will grow. Growing instructions are packed in each shipment. All plants will be labeled.

Please note that we list the size of the plants we offer. When possible we give a little larger. Prices include excellent packing and free delivery. CALIFORNIA CLIENTS ONLY must add 3 per cent sales tax. We guarantee all plants to pass health inspection anywhere. We also guarantee safe delivery in the United States, Canada, Cuba and Great Britain.

CANADIAN CUSTOMERS. Please secure free importation permits from Destructive Insect and Pest Advisory Board, Dept. of Agriculture, Ottawa.

FOREIGN SHIPMENTS. Prices include carriage costs, but not customs duties to Great Britain, Canada, New Zealand, Australia, Japan and other countries to which postal charges do not exceed 20 cents per pound. Prices quoted are in U. S. dollars, equal to approximately four shillings Sterling. Make remittances payable to Howard E. Gates.

SYMBOLS—Color name equals color of flowers; day or night equals blooming period; number equals size in inches; C, rooted cutting; G, grafted; S, seedling; P, plant.

LARGE GROWING CEREUS TYPES

ACANTHOCEREUS, angularly branched, shrubby plants, coastal tropical America. White, night.

A. honduriensis, heavy branched, fast..... 3 C .35
A. pentagonus, 3-5 angled, Texas, Florida..... 4 C .35

BERGEROCACTUS emoryii, monotypic, yellow spined, cane cactus, yellow, day, L. Calif..... 3 G .50

CARNEGIEA gigantea, Suwarro, Ariz. Giant 2 S .35

CEPHALOCEREUS, heavy columnar or tree type, flowers from bristly lateral cephalium.

C. dybowskii, silky white wool, Brazil..... 3 S 1.00

C. fluminensis, yellow spines, Brazil..... 1½ S .35

C. senilis, The Old Man..... 1½ S .35 3 S 1.00

CEREUS (Piptanthocereus), large shrubby or tree like, large flowers, night.

C. alacriportanus, angular branches, brown sp.. 3 S .15

C. alacriportanus 4 C .50

C. azureus, slender blue branches, black spines. 3 S .35

C. caesius, Blue Beauty, yellow spines..... 3 S .15

C. dayami, tree like, few spines, white..... 3 S .15

C. gonacanthus, tree like, white..... 3 S .15

C. hankeanus, square, bluish branches..... 3 S .35

C. hexagonus, tree like, six-angled branches... 3 S .15

C. hildmannianus, few spines, free flowering... 6 C .75

C. hildmannianus 12 C 1.50

C. horribarbus 3 S .15

C. horridus 3 S .15

C. huntingtonianus, shrubby, pink, night..... 2 S .25

C. jamacaru 3 S .15 8 S .50

C. jugatiflorus 3 S .15

C. lepidotus, large, tree like, white..... 6 S .35

C. microcarpus 3 S .15

C. milesimus 3 S .15, 8 S .35, monstrosus... 3 S .25

C. monstrosus hybrids..... 3 S .25 8 S .50

C. pernambucensis 3 C .15

C. pernambucensis monstrosus, compact, knobby 3 C .35

C. peruvianus 3 S .15, 5 S .25 7 S .35

C. peruvianus monstrosus 3 S .25

C. pithaya 5 S .35

C. stenogonus 5 S .35

C. torulosus 3 S .15

CLEISTOCACTUS, erect slender branched shrubby plants from South America.

C. areolatus, heavy branches, brown spines.... 3 S .35

C. baumannii, slender branches, red..... 1½ S .25

C. straussii, silvery white bristles, red..... 3 C .35

LEMAIREOCEREUS, large tree like plants.

L. beneckii, The Silver Tip 4 S .75

L. chende, yellowish branches, brown spines.... 3 S .35

LOPHOCEREUS, erect branches, short spines, changing on upper portions of old branches to long bristly spines. Pink, night. Mexico.

L. australis, tall, slender branches..... 3 S .35

L. gatesii, new, different..... 3 S .25 6 S .50

L. sargentianus, medium branches..... 3 S .35

L. schottii... 3 S .35, 4 S .35, 5 S .50 7 S .75

L. schottii monstrosus, the queer Totem Pole

Cactus of our introduction; smooth skinned

bumps & knobs.. 2 C .35, 6 C 2.00, 9 C 3.00 12 C 4.00

MACHAEROCEREUS, two interesting large plants from Lower California.

M. eruca, The Creeping Devil..... 3 S .35 4 C .75

M. gummosus, dagger like spines, night..... 4 S .35

OREOCEREUS, a small group of large columnar hairy plants from South America.

O. celsianus, coarse white hair.. 1½ S .25 2½ S .35

C. trollii, fine white hair..... 1½ S .25 2 G .50

PACHYCEREUS, tall, heavy, columnar plants. Mexico.

P. marginatus, The Organ Pipe..... 3 S .25 6 S .50

P. pecten-aboriginum, fast growing.. 3 S .25 6 S .50

P. pringlei, Giant of L. Calif..... 3 S .25 5 S .50

PILOCEREUS (Cephalocereus), columnar and tree like plants usually bearing wool or long hair in their flowering branches. Florida to Argentina.

P. alensis, Sonora, Mex..... 1½ S .25 6 S .75

P. euphorbioides, white spined, South America 4 S .50

P. glaucescens 1½ S .25

P. gounellii 1½ S .25

P. hapalacanthus 6 S .35

P. robinii, fluted, stout branches, Cuba..... 2 S .25

P. sublanatus 3 S .25 8 S .50

RATHBUNIA, slender branched, tall plants with red day blooming small flowers.

R. alamosensis, heaviest branched..... 3 S .25

R. sonorensis 3 S .25

TRICHOCEREUS, a South American group with erect, heavy fluted branches. Large. White. Night.

T. bridgesii, shrubby, few ribbed.... 3 S .25 6 S .50

T. candicans, heavy, fluted branches..... 1½ S .25

T. chilensis, strong gray spines..... 1½ S .25

T. coquimbani, strong spined..... 1½ S .25

T. fascicularis, clustering, erect branches..... 2 S .35

T. macrogonus, few ribs, short spines..... 3 C .35

T. pachanoi, stout, low ribs, few spines..... 3 C .35

T. pasacana, a giant, stiff yellow spines..... 1½ S .25

T. schickendantzii, short, clustering..... 2 C .25

T. shaferi, short, stout, clustering..... 3 C .35

T. spachianus, tall, clustering..... 2 S .15

T. strigosus, short, medium, clustering..... 1½ S .25

NIGHT BLOOMING CEREUS

ERIOCEREUS, the South American climbing section of Harrisia B. & R. Large, fragrant, white flowers.

E. guelichii, slender, angular branches..... 3 C .25

E. martinii, round, few spined branches..... 3 C .25

E. pomanensis, round, spiny branches..... 3 C .25

E. tortuosus, round, very spiny branches..... 3 C .25

HARRISIA, slender, tall clustering plants from the Caribbean area. Large white flowers.

H. brookii, ten spiny ribs..... 3 C .25

H. earlei, sprawling, 5-7 spiny ribs..... 3 C .25

H. eriophora, erect branches, spiny..... 3 C .25

H. fernowii, erect, slender, branches..... 3 C .25

H. fragrans, erect, 10-12 spiny ribs..... 3 C .25

H. portoricensis, erect, 11 spiny ribs..... 3 C .25

H. simpsonii, erect, 8-10 spiny ribs..... 3 C .25

HYLOCEREUS, climbers with aerial roots, winged, sparsely spined ribs. Very large white flowers.

H. costaricensis, vigorous, rare 3 C .50

H. polyrhizus, slender, thin ribbed..... 3 C .25

H. triangularis, vigorous, few spines..... 3 C .25

H. undatus, wavy edges, few spines..... 3 C .25

MONVILLEA cavendishii, round, spiny..... 3 C .25

NYCTOCEREUS <i>serpentinus</i> , The Snake Cactus. Erect, fluted, short weak spines, white.....					3	C	.25
PENIOCEREUS , square or angular slender branches from large beet like tuber. Large, white, night.							
<i>P. greggii</i> , Arizona Queen of Night.....					3	G	.50
<i>P. johnstonii</i> , short, stout spines.....					3	G	.50
SELENICEREUS , slender, round branches climbing by aerial roots. Very large fragrant flowers.							
<i>S. conflorus</i> , yellow spined.....					3	C	.25
<i>S. donkelaarii</i> , very slender, weak spines.....					3	G	.50
<i>S. knuthianus</i> , slender, very short spines.....					3	G	.25
<i>S. macdonaldiae</i> , short spines, giant flower....					3	C	.25
<i>S. pteranthus</i> , stout, purplish branches.....					3	C	.25
<i>S. spinulosus</i> , slender, light green branches....					3	C	.25
<i>S. urbanianus</i> , slender branches, short spined..					3	C	.25
<i>S. vagans</i> , slender branches, brown spines.....					3	C	.25
<i>S. new species</i> , Haiti, long yellow spines, fast..					3	C	.25

ECHINOCEREUS. A large group of low, usually clustering plants noted for extra large, highly colored day blooming flowers.

<i>E. angusticeps</i> , small type of <i>E. papillosus</i> , large yellow					1½	G	.35	3	G	.50
<i>E. arizonicus</i> , stout spiny heads, red.....					5	P	1.00			
<i>E. barthelowanus</i> , small, spiny..					1½	C	.25	1½	G	.50
<i>E. blanchii</i> , slender, clustering, purple.....					3	C	.25			
<i>E. brandegeei</i> , spiny, clustering, pink.....					3	C	.50			
<i>E. bristolii</i> , new, short spined, pink.....					1½	G	.75			
<i>E. chloranthus</i> , stout, short spined, greenish...					3	P	.35			
<i>E. dasyacanthus</i> , stout, short spined, yellow....					3	P	.35			
<i>E. delaetii</i> , whitish hairy spines, pink.....					1½	G	.50			
<i>E. ehrenbergii</i> , clustering, weak spines.....					3	C	.25			
<i>E. engelmannii</i> , stout, clustering, spiny, large magenta....					3	P	.35	Clusters	.50	.75 1.00
<i>E. enneacanthus</i> , stout, clustering pink.....					3	C	.25			
<i>E. enneacanthus</i> , clusters					50	.75	1.00			
<i>E. ferreirae</i> , stout, clustering, pink.....					2	C	.35			
<i>E. fitchii</i> , stout, short spined, pink.....					3	P	.35			
<i>E. fitchii</i> , crests					1½	G	.75			
<i>E. grandis</i> , stout, short spined, white, rare....					2½	G	2.50			
<i>E. knippelianus</i> , stout, few weak spined, pink..					1½	G	.50			
<i>E. longispinus</i> , new, long, weak spined, pink..					1½	G	.50			
<i>E. maritimus</i> , clustering, stiff spined, yellow....					2	C	.35			
<i>E. melanocentrus</i> , clustering, short spined, pink, very good					2½	S	.25	3	P	.35
<i>E. pacificus</i> , clustering, spiny, red.....					2	C	.35			
<i>E. pacificus</i> , clusters75	1.00				
<i>E. papillosus</i> , clustering, spiny, yellow.....					2	G	.50			
<i>E. pensilis</i> , pendant, few spines, red.....					1½	G	.50			
<i>E. pentalophus</i> (<i>berlandieri</i>), purple.....					3	C	.15			
<i>E. perbellus</i> , stout, short spine, pink.....					1½	G	.50			
<i>E. purpureus</i> , short purplish spine..					3	P	.35	5	P	.50
<i>E. reichenbachii</i> (<i>caespitosus</i>), The Lace Cactus. Short spined, pink.....					2½	P	.25	5	P	.50
<i>E. rigidissimus</i> , The Rainbow Cactus.....					1½	G	.50			
<i>E. rosei</i> , red.....					1½	S	.25	Clusters	1.00	1.25
<i>E. sciurus</i> , clustering, soft spines, pink.....					1½	G	.50			
<i>E. stoloniferous</i> (<i>Marshall</i> in Lit.), weak spines, branches underground.....					1½	C	.25			

ECHINOCACTUS—FEROCACTUS. The large globular or barrel shaped cactus of the Southwest and Mexico. Stories of their water carrying capacities are fables.

<i>E. grusonii</i> , The Golden Ball.....					1	S	.25			
<i>E. horizontalis</i> , The Devil's Head.....					3	P	.50			
<i>F. acanthodes</i> (<i>cylindraceus</i>) The Fire Ball, red spined California Barrel collected..					3	P	.35	4	P	.50
					5	P	.75	6	P	1.00
Larger prices on request.										
<i>F. alamosanus</i> , rare, yellow spined.....					1	S	.35			
<i>F. coloratus</i> , wide brown hooked spines.....					1	S	.25			
<i>F. covillei</i> , heavy, long, hooked spines.....					1½	S	.35			
<i>F. crassihamatus</i> , hooked radial spines.....					1½	S	.35			
<i>F. fordii</i> , gray spines, purple flower.....					1½	S	.35			
<i>F. gracilis</i> , red spines.....					1	S	.25			
<i>F. hamatacanthus</i> , long slender spines.....					1	S	.15			
<i>F. latispinus</i> (<i>Etus. corniger</i>).....					1	S	.15			
<i>F. nobilis</i> (<i>Etus. recurvis</i>).....					1	S	.15			
<i>F. peninsulae</i> , true species, very rare.....					1½	S	.50			
<i>F. rectispinus</i> , The Hat Pin Cactus.....					1	S	.25			
<i>F. tortulospinus</i>					1	S	.25	5	P	4.00
<i>F. townsendianus</i>					2	S	.25	2½	S	.35
					3	S	.50			
<i>F. viridescens</i>					2	P	.25	3	P	.35
					5	P	.75			
<i>F. viridescens</i> , var. <i>littoralis</i> , finer spines....					1½	S	.35			

SMALL TYPES OF CACTUS

ACANTHOCALYCIUM (*Echinopsis*) *formosum*, globular stiff spined, yellow flowers, day.....

ARIOCARPUS (*Roseocactus*) *fissuratus*, The Living Rock, flat stone like rosettes, pink flowers, day

ARTHROCEREUS *microsphaericus*, branches of ball like joints, dainty white, night.....

ASTROPHYTUM, Globular plants, yellow, day.

A. asterias, Sea Urchin, globular, rows white dots 1½ P .35, 2 P .50, 2½ P .75 3 P 1.00

A. myriostigma, Bishop's Cap, spineless..... 1½ S .50

AYLOSTERA (*Rebutia*) *pseudodeminuta*, globular, clustering, short spines, red, day..... 1 G .50

CHILENIA (*Neoporteria*) *subgibbosa*, oblong, short spined, pink, day, Chile..... 2 S .25 4 P .75

COCHEMEIA, large clustering plants of the *Mammillaria* group, red, day, flowers like Christmas Cactus..

C. maritima (*Lindsay* 1937), hooked spined.... 1 C .75

C. poselgeri, long, overlapping tubercles bearing hooked spines..... 3 S .35, 4 S .50 6 S .75

C. setispina, white hooked spines, rare..... 1½ G 1.25

CORYPHANTHA, globular, conical or short columnar clustering plants of U. S. and Mexico.

C. alversonii, Fox Tail, short, stiff spined..... 3 P .35

C. clava, club shaped, yellowish spine, yellow.. 1 S .25

C. erecta, clustering, yellowish spine, yellow.... 2 S .25

C. macromeris, dark, clustering, magenta..... 1½ P .25

C. pallida, globular, white spine, yellow..... 1½ S .25

C. robustispina, globular, large nipples, strong spined, salmon, day..... 1 S .25, 1 G .35 1½ G .50

C. sulcata, stout, clustering, yellow, day..... 1 S .25

C. vivipara, clustering pink..... 1 S .25 2 P .35

DENMOZA *rhodacantha*, South American Barrel Cactus. Reddish brown, stiff spines..... 1¼ G .50

BOLICHOHELE, low clustering plants, large nipples, weak spines, large yellow day blooming flowers.

D. longimamma 1 S .25, 1½ S .35 2 S .50

D. sphaerica 1½ P .25, Clusters .50.... 1¼ G .50

ECHINOPSIS, globular or cylindrical clustering plants from South America, large day flowers.

E. bridgesii, tall, clustering..... 1 C .25 2 G .75

E. calochlora, glossy yellow-green skin, yellow spined, white day flower..... 1¼ C .25 1¼ G .50

E. imperialis (*Poindexter* 1936), tall, stout, short spined, white, day..... 2 G .75

E. kratochviliana, globular, clustering..... 1½ G .75

E. mirabilis, solitary, tall, slender..... 1 S .35

E. multiplex, pink..... 2 P .25, 3 P .50 4 P 1.00

E. multiplex, fine spined crests..... 1½ G .50

E. tubiflora crests..... 2 P .50, 2½ P .75 3 P 1.00

E. turbinata, white..... 2 P .25, 3 P .50 4 P 1.00

EPITHELANTHA *micromeris*, The Button

Cactus P 15, 25, .35

E. var. alba, white, waxy spines... 1 G .50 P 15, 25, .50

ERIOSYCE *korethroides*, Chilean Barrel.... 1 G .75

ESCOBARIA *sneedii*, tiny cluster. white balls 1 G .50

E. durangensis 1 G .50

FRAILEA, a group of clustering tiny button cactus from South America.

F. grahliana, purple plant, yellow spines..... 1 P .25

F. pulcherrima 1 G .50

F. pumila, brown spines, yellow, day..... 1 P .25

F. schilinzkiana 1 G .50

GYMNOCALYCIUM, flattened globular plants with good flowers from South America. Fine for house culture.

G. gibbosum var. *schlumbergeri*, white day.... ¾ S .25

G. mihanovichii, purplish body, green day 1½ P .50 1 G .50

G. quehlianum, white, day..... 1½ P .50 1 G .50

G. saglione, white day..... 2½ P 1.00

HAMATOCACTUS *setispinus*, small globular, yellow flowered day blooming plant..... 1 S .15

LOBIVIA, a group of small clustering plants noted for large and brilliant flowers. South America.

L. (Echinopsis) aurea, yellow, day..... 1½ G .50

L. (Echinopsis) chrysantha 1½ G .50

L. ducis paulii, long spined..... 1 G .75

L. famatimensis, large flowered 1 G .50

L. haageana, golden yellow, day.... 2 G .50 3 G .75

L. orurensis, slender, day..... 1½ G .50

L. pygmaea, very slender, clustering..... 1½ C .25

L. steinmannii, slender, clustering..... 1½ C .25

LOPHOPHORA *williamsii*, Peyote, Mescal Button. The strange spineless cactus that looks like a green mushroom and is eaten by the Indians for its

narcotic effect.... Cluster .75, 1.00 2 P .25 2½ P .35

MAMMILLARIA (*Neomammillaria*). Dumpling Cactus. A very large group of interesting small plants chiefly from Mexico. Some are globular, straight spined, with milky sap. Others tall, clustering with hooked spines. Flowers small but brilliant, followed by long, scarlet fruit. You cannot go wrong on these for house plants.

M. albescens, globular, long nipped..... 1 S .25

M. albida, globular, white spined..... 1 S .25

M. baxteriana, globular, white spined..... 1 S .25

M. blossfeldiana, globular, large pink..... 1 G .50

M. brandegeei, globular, gray spine..... 1 S .25

ORDER BLANK

QUANTITY	ARTICLE WANTED	DOLLARS	CENTS
	AMOUNT FORWARDED		
One year's membership fees in the Cactus & Succulent Society of America, including subscription to its illustrated monthly Journal		\$3.00	
1 year subscription to Desert Plant Life Magazine		\$1.50	
TOTAL			
Plus sales tax of 3% for California customers only			

It will be a pleasure to send our catalogue to any friends you may list below. Please write plainly.

QUANTITY	ARTICLE WANTED	DOLLARS	CENTS
AMOUNT FORWARDED TO BACK OF SHEET			

M. bocasana, globular, white hairy.....	1½	S	.25
M. bullardiana, tall, light.....	1 G .50	2 G	.75
M. calacantha, globular	1	S	.25
M. camptotricha, Bird's Nest, yellow.....	1¼	S	.25
M. capensis ,tall brown hooked, pink.....	1½	S	.25
M. capensis pallida, tall, white.....	1½	S	.25
M. caput medusa, globular, very short spine...1¼	S	.25	
M. carnea, flattened globular.....	1¼	S	.25
M. celsiana potosina, globular, straw spine.....	1	S	.25
M. chioncephala, globular, white spine.....	1	S	.25
M. cirrhifera, globular, long spined.....	1	S	.25
M. compressa, globular, clustering.....	1	S	.15
M. dealbata, tall, short white spine.....	3 P	1.00	
M. denudata, tiny, globular, white spined.....	1 G	.75	
M. dioica, tall, flesh.Cluster .75, 2 P	.25	3 P	.35
M. dolichocentra, globular, short spined.....	1	S	.25
M. durispina, globular stiff spined.....	1¼	S	.25
M. elegans, globular, white and brown spine...1¼	S	.25	
M. elegans, crests	1½	G	.75
M. elongata echinata, tall, yellow spine.....	1½	S	.25
M. elongata stella aurata, star spines.....	1¼	C	.15
M. fasciculata, tall, pink.....	1 C .25	1½	G .50
M. gabbii, globular, brown spine, yellow.....	1	S	.25
M. gatesii, globular, long spined, yellow.....	1 G	1.00	
M. glochidiata, globular, clustering.....	1 C	.25	
M. gracilis (fragilis) small, clustering.....	1 C	.15	
M. gracilis, white spined crest.....	1½	G	.75
M. guirocobensis, tall, light spined.....	1 G	.50	
M. hahniana, The Old Lady.....	1 G .50	1½	S .35
M. heyderi, globular, yellow.....	1 S .15	3 P	.50
M. hidalgensis, globular, magenta.....	1	S	.25
M. hoffmanniana, globular	1¼	S	.25
M. johnstonii, globular	1	S	.25
M. karwinskiana, globular, cream.....	1	S	.25
M. kewensis, globular, reddish purple.....	1	S	.25
M. lasiacantha, tiny, short plumose spines.....	1 G	.75	
M. longicoma, hairy with hooked spines.....	1¼	S	.25
M. lloydii, globular, short stiff spines.....	1½	S	.35
M. magnimamma.....	1½ S .35, 2 S .50	3 S	.75
M. mainae, globular, hooked, large pink.....	1½	G	.50
M. marshalliana, globular, white spine.....	1 G	.75	
M. meiacantha, globular, milky, white.....	1 S	.15	
M. microhelia, short yellow spines.....	1 G	.50	
M. muliticeps, tiny, clustering.....	1 C	.15	
M. mystax, globular, milky, red.....	1 S	.25	
M. orcuttii, globular, rare.....	1 S	.25	
M. pacifica, globular, yellow.....	1 S .25	1 G	.50
M. painteri, crests brown spined.....	1½	G	.75
M. perbella, short white spines, reddish.....	1	S	.25
M. petrophila, globular, milky, rare.....	1¼	G	1.50
M. phaeacantha, globular, white spine, red.....	1	S	.25
M. pottsii (leona) tall white spined, red.....	2 P	.25	
M. pottsii	1½	G	.50
M. prolifera, true, small clustering, flesh.....	1 S	.25	
M. rhodantha gigantea, large globular.....	1 S	.25	
M. sartori, globular, white spine.....	1¼	G	.50
M. schiedeana, varicolored short spines.....	1 S	.35	
M. schmollii, white spined.....	1 S .25	1¼	G .50
M. sempervivi, globular, very short spine.....	1	S	.25
M. tetracantha, globular, brown spine, rose.....	1	S	.25
M. tetracantha, variegated bodies.....	1 G	.50	
M. trichacantha, globular, soft spined.....	1 S	.25	
M. viereckii, columnar, soft nipples.....	1 S	.25	
M. viridiflora, globular, large creamy flower			
	1½ P .50, 2 P .75	2½ P	1.00
M. wildii, white and yellow spine, white.....	1¼	S	.25
M. wildii crests, very pretty.....	1½	G	.75
M. woburnensis (chapinensis), a small, richly			
colored purple plant, yellow spined.....	1 C	.25	
M. zahniana, globular, white and brown spined.	1 S	.25	

MEDIOLOBIVIA, small clustering South American plants resembling Rebutias with orange or yellow flowers.

M. aureiflora, globular, clustering.....	1½	G	.75
M. duursmaiana, clustering, orange yellow.....	1 G	.50	
M. elegans, clustering, yellow.....	1 G .50	1½	G .75

MELOCACTUS, globular tropical species that in time produce a red cephalium or fez on top.

M. neryi var. bahiensis.....	1 S .25	1 G	.50
M. violaceus	1 G	.50	

NEOBESSEYA similis ,a small clustering plant from the western Mississippi valley bearing long narrow petalled tan to greenish flowers. Hardy.....1½ P .35

NEOLLOYDIA roseana, a small clustering yellow spined plant from Mexico..... 1 G .50

NEOPORTERIA. A group of globular or cylindrical small plants from Chile with pink or red flowers.

N. nigricans, dark bodied plant with spines varying from white to black. Very fine..... 1 G .50

N. senilis, covered by long whitish bristles. A very choice plant..... 1 G .75

NOTOCACTUS (Malacocarpus). A magnificent group of globular South American plants with weak or hairy spines and magnificent flowers.

N. apricus, weak brown spines, yellow, day....	1½	P	.75
N. haselbergii, whitish bristles....	1½ P .50	1 G	.50
N. ottonis, brown spines, large golden yellow			
flowers, day	1 S .25, 2½ P .75	1¼	G .50
N. ottonis crests	1½	G	.50
N. pampeanus	1	G	.50
N. scopa var. alba, short white spines, yellow			
day	1 S .35, 1 G .50	1½	G .75
N. scopa var. alba crests.....	1	G	.50
N. scopa var. ruberimma with reddish body			
and some red spines....	1 S .35, 1 G .50	1½	G .75
N. submammulosus	1 S .35, 1 G .50	1½	G .75

PARODIA (Hickenia), beautiful, small, globular. S. Amer. P. chrysacanthion, fine yellow. spines, 1 S .35 1¼ G .75
P. maasii, hooked spines, orange red..... 1 S .25

PHELLOSPERMA tetrancistra, a beautiful white spined member of the Mammillaria group with hooked black central spine and large pink flowers.

Should be grafted.....1½ P .35, 1 G .50 2 G .75

PEDIOCACTUS simpsonii, globular, Mammillaria like, straight brown spines, flesh, day.. 1 G .50

REBUTIA. A small globular, freely clustering group with very short, soft spines. Very free blooming. Orange or red flowers curve up from base of plants.

R. einsteinii, coarse spined, red, day.....	1	G	.50
R. fiebrigii, white, bristly sp. red, day 1 G	50 1½	G	.75
R. grandiflora, very large red day flower.....	1	G	.50
R. knuthiana, coarse spined, red.....	1	G	.50
R. minuscula, red.....	2 P .75, 1 G .50	1½	G .75
R. senilis, white hairy, red.....	1 G .50	1½	G .75
R. senilis, var. breviseta.....	1	G	.50
R. senilis, var. stumeriana.....	1	G	.50
R. spcgazziniana, blood red flowers.....	1	G	.50
R. spinosissima	1	G	.50
R. pseudo-deminuta	1	G	.50
R. pseudo-deminuta var. schumannii.....	1	G	.50
R. xanthocarpa var. citracarpa...1 G	.50 1½	G	.75

STENOCACTUS (Echinofossulocactus) crispatus

SOLISIA pectinata white spined crests.....1½ G .75

THELOCACTUS hexaedrophorus

T. leucacanthus

MISCELLANEOUS CACTUS

APOROCACTUS. The Rat Tail Cactus with long, slender short spined, trailing branches. Fine for flowers.

A. conzatiti, red day flowers.....	3 C .25	3 G	.35
A. flagelliformis, common pink.....	3 C .15	3 G	.35
A. flagriformis, red day.....	2 G	.35	
A. leptophis, fast growing pink.....	3 C .15	3 G	.35
A. mallisonii, large pink hybrid.....	3 C	.25	

CHAMAECEUS sylvestrii, The Peanut Cactus from its densely clustering, small, short joints. Scarlet flower

C. sylvestrii, crests

EPIPHYLLUM (Phyllocactus). Orchid Cactus. A group of epiphytic plants that grow on trees in tropical forests. They are ideal for growing in greenhouses with ferns and begonias. Branches are flat or triangular with notched or undulated edges and few or no spines. Flowers are very large and brilliant.

E. (Nopalxochia) ackermannii, red, day.....	4 C	.35	
E. anguliger, notched branches, white night....	4 C	.35	
E. Autumn, large orange, day.....	4 C	.50	
E. Conway's Giant, red, day.....	4 C	.35	
E. crenatum, white, night, fragrant.....	4 C	.35	
E. German Em press (Nopalxochia phyllanthoides very free blooming small flowered delicate pink, day.....	4 C	.35	
E. Gloria, large apricot to orange, day.....	4 C	.50	
E. Goliath, large red, day.....	4 C	.35	
E. Peachblow, robust, large, pink, day.....	4 C	.35	
E. Peacockii, triangular branches, red, day....	4 C	.35	
E. stenopetalum, fragrant, white, night.....	4 C	.35	
E. Tritone Orchid, a beautiful new hybrid, bearing large flowers in several orchid shades..	4 C	.75	

HELIOCEREUS speciosus, a triangular branched plant resembling Epiphyllums, large red, day

PERESKIA aculeata (P. pereskia), Orange Leaf Cactus. The Mother of Cactus. Climber, pink, day

SCHLUMBERGERA (Epiphyllopsis), Easter Cactus. Branches composed of short, flat, spineless joints. Bright scarlet flowers at Easter. Grafted on Selenicereus standards 5 to 10 inches high.

S. gartneri	3 C .25	G	.75
S. makoyana, more bristles at joints.....		G	.75

WILCOXIA. Lead Pencil Cactus. Tuberous plants that produce long, slender, minutely spined branches. Flowers are surprisingly large, day. Grow much better when grafted.

W. australis, free flowering pink..... 3 G .35
W. poselgeri, pink3 C .25 3 G .35
W. schmollii (senilis) Woolly Lamb's Tail..... 3 G .35
W. striata, striped branches, purple..... 3 G .35
W. tamulipensis, new, very robust..... 2 G .35
W. viperina, red3 C .25 3 G .35

ZYGOCACTUS. The charming flat jointed Christmas Cactus. Many have crab's claw joints. Grafted on standards 5 to 10 inches high.

Z. truncatus, pink3 C .25 3 G .75
Z. October Bloomer, early, deep pink hybrid3 C .25 3 G .35
Z. Orchid Hybrid, a wonderful new hybrid of delicate orchid tones, often bleaching white.... 2 G .75

THE OPUNTIA TRIBE

CONSOLEA moniliformis, short spined, padded shaped joints, Caribbean area..... 3 C .25

CORYNOPUNTIA invicta, forms clusters of short stout joints like an Echinocereus, yellow. 3 C .25

CYLINDROPUNTIA, Chollas, Tree Opuntias.

C. alcahes, covered, covered with light spines.. 3 C .25
C. arbuscula, slender branches..... 3 C .25
C. Boxing Glove, a very interesting crested form of undetermined origin..... 3 C .25
C. burrageana, slender, yellow spines..... 3 C .25
C. calmalliana, slender, sparsely spined..... 3 C .25
C. cholla, tree like, fat branches, pink..... 3 C .25
C. ciribe, clavate branches, white spines..... 3 C .25
C. clavellina, very long bright spines..... 3 C .35
C. leptocaulis (spinosior) tiny tree..... 3 C .25
C. molesta, slender, short spines..... 3 C .25
C. serpentina, slender branches, yellow..... 3 C .25
C. spinosior, short spines, purple..... 3 C .25
C. subulata, tree like, with large leaves..... 3 C .25
C. tesajo, small woody plant, yellow..... 3 C .25
C. Gates No. 95, slender, whiplike branches... 3 C .25
C. Gates No. 133, short spined, turgid joints... 3 C .25

The following three interesting species of our discovery in Lower California, Mexico, would be classed as Grusonias if they did not have glochids. All are ribbed.

C. hamiltoniae, many glochids, few spines..... 3 C .25
C. rosarica, purplish brown spines..... 3 C .25
C. santa maria (Grusonia, Baxter)..... 3 C .25

NOPALEA, strong growing tropical species with flat joints.

N. auberi, long pads, numerous spines..... 3 C .25
N. cochenilifera, smooth, green pads..... 4 C .25
N. dejecta, white spined drooping pads..... 4 C .25
N. inaperta, small spiny pads..... 3 C .25

OPUNTIA...The flat joint Prickly Pears. Tunas.

O. aurea, yellow flowered Basilaris..... 3 C .25
O. basilaris, Beaver Tail, purple pads..... 3 C .25
O. braziliensis, tree like, glossy pads..... 3 C .25
O. bravoana, large green pads, yellow..... 5 C .50
O. comoduensis, pubescent spiny pads..... 5 C .50
O. cordobensis, South American tuna..... 5 S .25
O. elata elongata, spineless pads, orange..... 3 C .25
O. erinacea, a Grizzly Bear, weak spines..... 5 S .25
O. lagunae, blue pads, white spines..... 4 C .50
O. macrocalyx, light green, white glochids.... 4 C .25
O. margaritana, weak, deflexed brown spines.. 4 C .50
O. microdasys, The Kid Glove Cactus..... 3 C .25
O. monacantha variegata, rainbow pads..... 3 C .25
O. pycnantha, weak, reflexed yellow spines... 4 C .50
O. quimilo, a South American prickly pear.... 5 S .25
O. quiscalora, South American prickly pear... 5 S .25
O. rufida, Red Kid Glove Cactus..... 3 C .25
O. santa rita, round blue pads, few spines.... 4 C .35
O. ursina, The Grizzly Bear, hairy spines.... 4 C .25
O. zebrina, banded yellow and brown spines... 3 C .25

PERESKIOPSIS, slender climbing cactus with persistent flat leaves, yellow flowers like wild roses.

P. gatesii, short pink fruit..... 3 C .25
P. porterii, long orange fruit..... 3 C .25

MISCELLANEOUS PLANTS OTHER THAN CACTUS

AGAVE, Century Plants, Mescals. Size indicates height of mature plant, excluding flower stalk.

A. affinis, gray leaves, 3 ft..... P .50
A. brandegeei, gray leaves, 3½ ft..... P .50
A. cerulata, short gray leaves, 1 ft..... P .35
A. connochaetodon, gray leaves, less 1 ft..... P .50
A. datylio, green leaves, black spine, 2 ft..... P .35
A. Gates No. 231, narrow green leaves, 4 ft.... P .50
A. margaritana, green leaves, less 1 ft..... P .50
A. nelsonii, narrow gray leaves, 2 ft..... P .50

A. orcuttiana, heavy green leaves, 3 ft..... P .35
A. roseana, gray leaves, large teeth, 2½ ft.... P .50
A. shawii, short heavy green leaves, 2½ ft..... P .35
A. toumeyii, grayish, spineless, ½ ft..... P .25
A. utahensis, gray leaves, long spine, ¾ ft.... P .25

ALOE variegata, The Partridge Breast..... 2 P .35

CARALLUMA lutea, of Stapelia group, yellow 3 C .25

CLISTOYUCCA arborescens, Joshua Tree. 2 year S .25

HECHTIA texensis, red and gray Bromiliad.. 5 P .35

GASTERIA retata, Hart's Tongue, mottled leaves extending in opposite directions..... 2 P .25

PEDILANTHUS macrocarpus, Euphorbia, gray rod like branches, leafless, red flowers.... 4 C .50

YUCCA whipplei, stemless, narrow grayish leaves. Low. Calif. variety, lavender..... 5 P .25

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These plants grow naturally where the winters are very cold. We cannot promise success with them in any given locality owing to various soil and moisture conditions. They are worth trying where hardy plants are desired. Echinocereus coccineus, engelmannii, perbellus, rosei, viridiflorus; Ferocactus acanthodes; Coryphantha vivipara; Neobesseya similis; Opuntia aurea, basilaris, opuntia, santa rita, spinosior, ursina.

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